

# GEKOB<sup>O</sup>X

## Installation Manual



# 1. GEKOBOX Basic information

GEKOBOX is an external programmable control computer designed to increase periodically the power and torque of the engine.

GEKOBOX is specifically designed to work with VW 1.6TDI engine factory fitted in cars brands: AUDI, SEAT, SKODA, VW.

GEKOBOX a hybrid device combining the effectiveness of chiptuning, ease of installation and non-detectability of devices such as Power-Box

GEKOBOX FOR TECHNICALLY EFFICIENT CARS ONLY!

GEKOBOX – basic advantages over standard chiptuning:

- Undetectable by diagnostic service systems- may be used in case of warranted cars
- EASY INSTALLATION AND REMOVAL - Self-installed equipment
- Possibility of Resale or Installation in other vehicles equipped with the same engine model

GEKOBOX – basic advantages over Power-Box devices:

- Impossibility of the fuel pump damage due to high fuel pressure — Gekobox does not raise fuel pressure
- Obtaining a high level of SAFE POWER AND TORQUE INCREASE as in standard chiptuning
- Engine's Thermal Protection achieved via monitoring the exhaust gas temperature (EGT) and restricting gain in case of overheating
- WATERPROOF IP69 class

## 2. Installation Manual

### WARNING !!!

All the actions associated with the Gekobox device installation process should be performed on the switched off engine and after taking the key out of the ignition.

For installation of GEKOBOX a service channel or a lift workshop is required.

#### NECESSARY TOOLS:

- Spanner flat wrench 10mm,
- TORX wrench 25 & 30

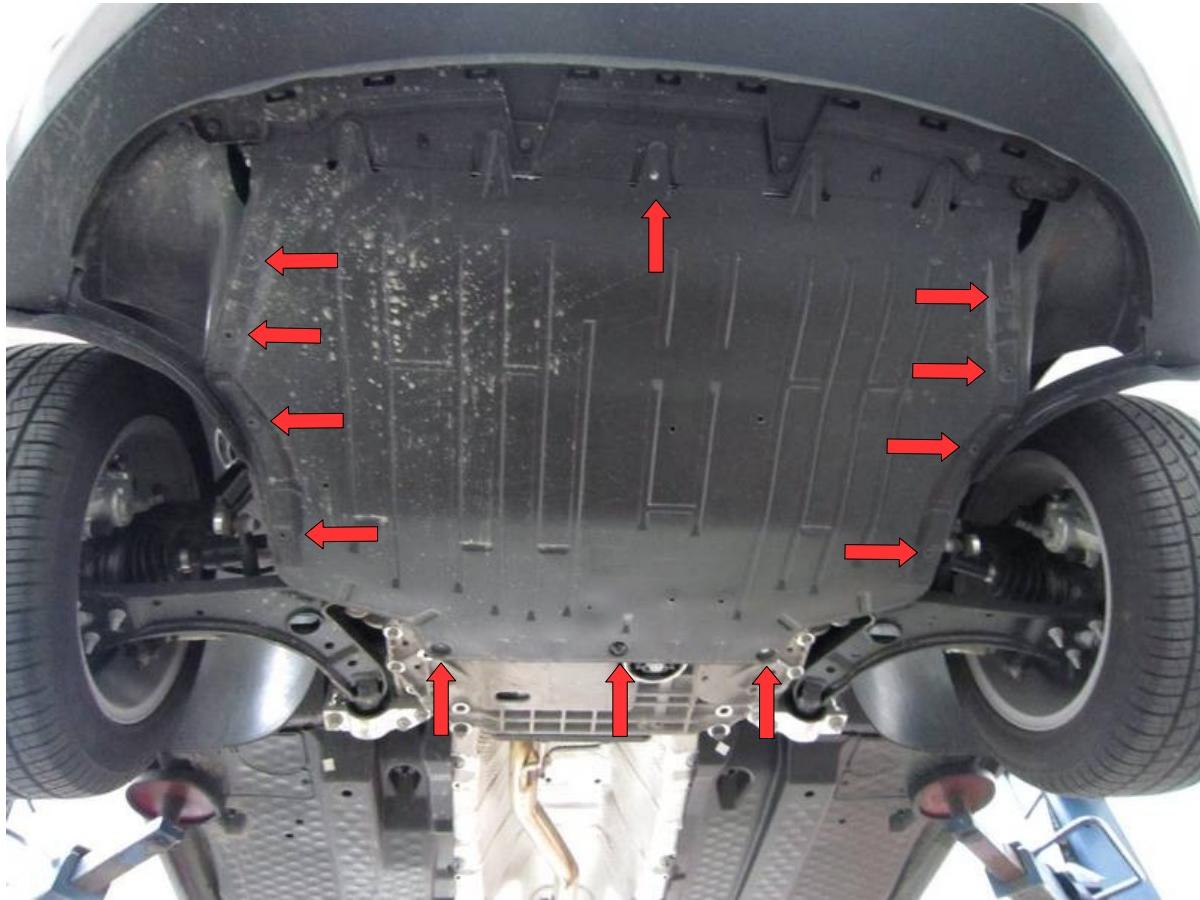


#### PROCESS DESCRIPTION:

Remove the key from the ignition and wait 60 seconds.

Next:

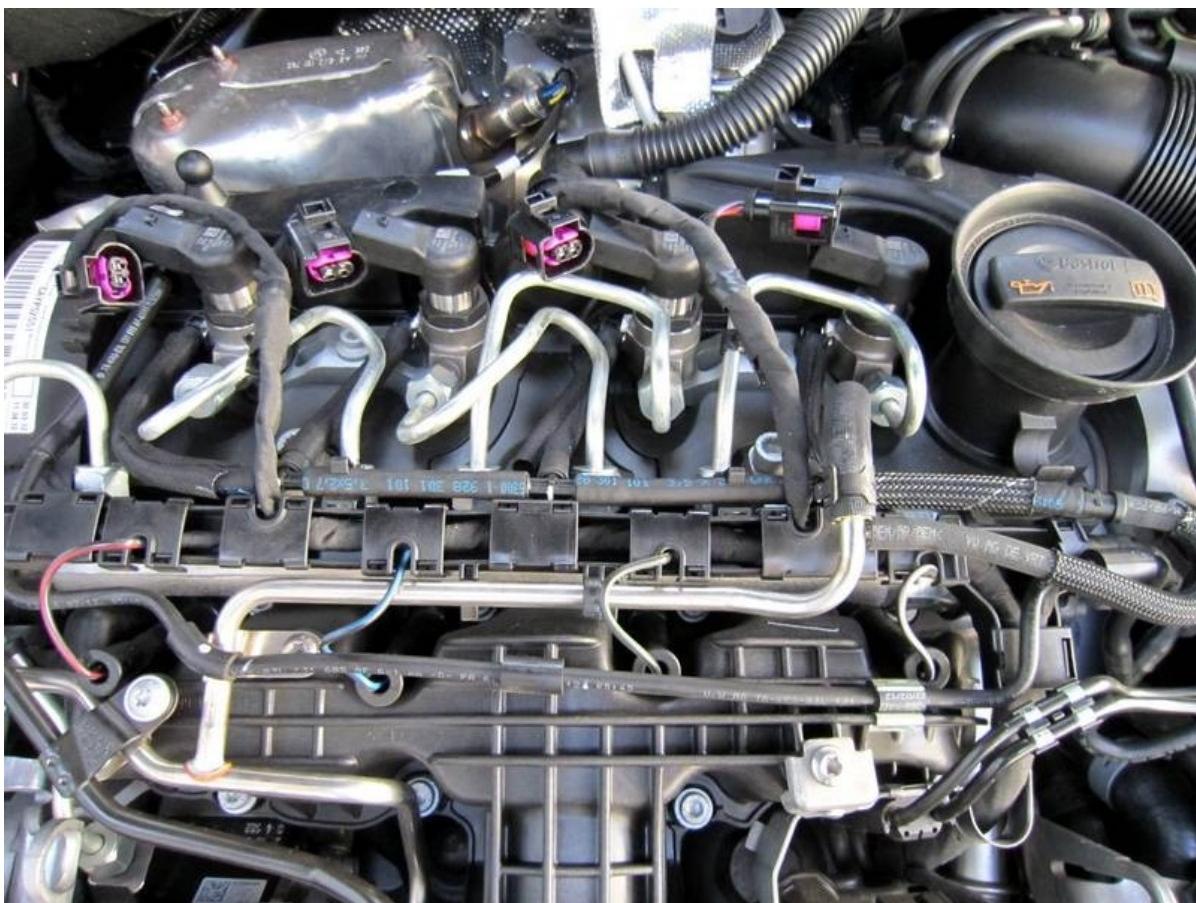
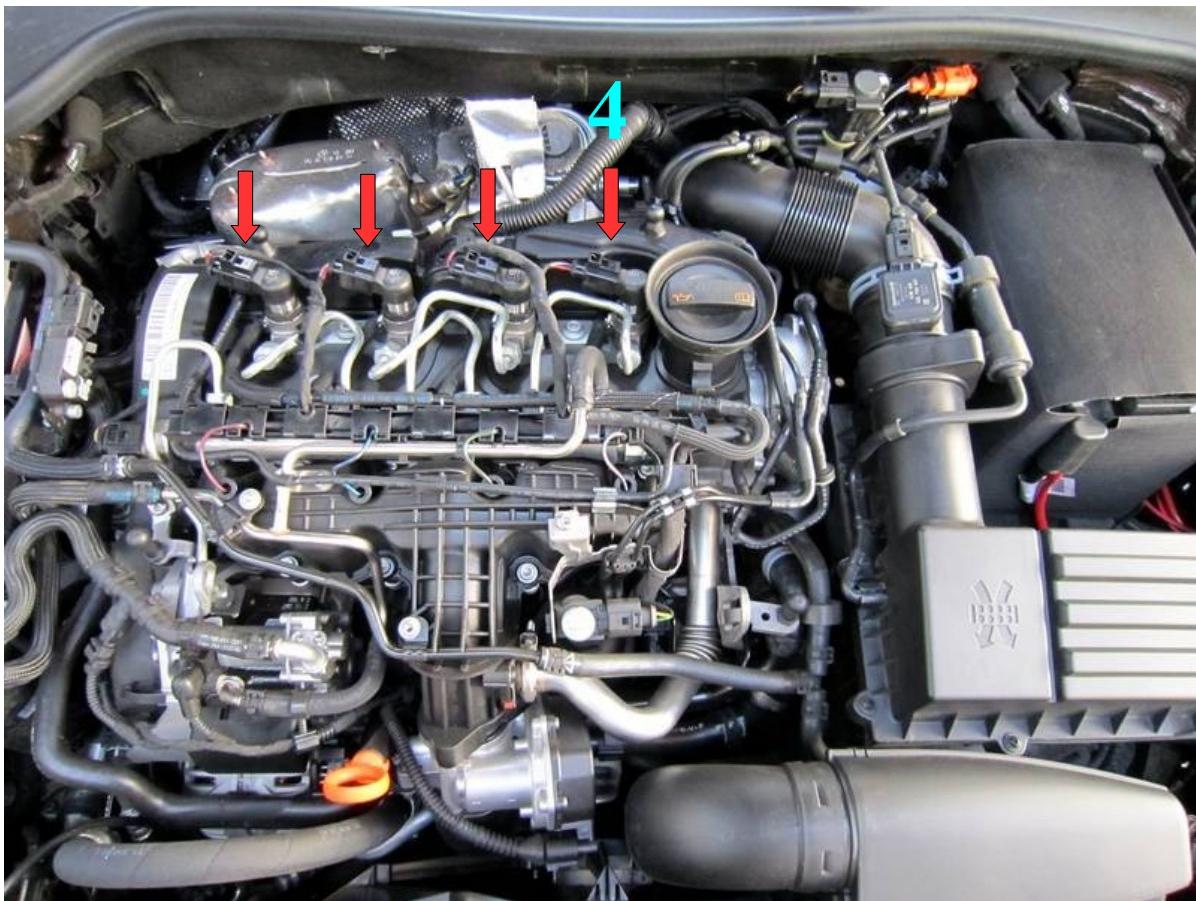
- Unscrew the screws and remove the lower engine cover (TORX 25 i 30)



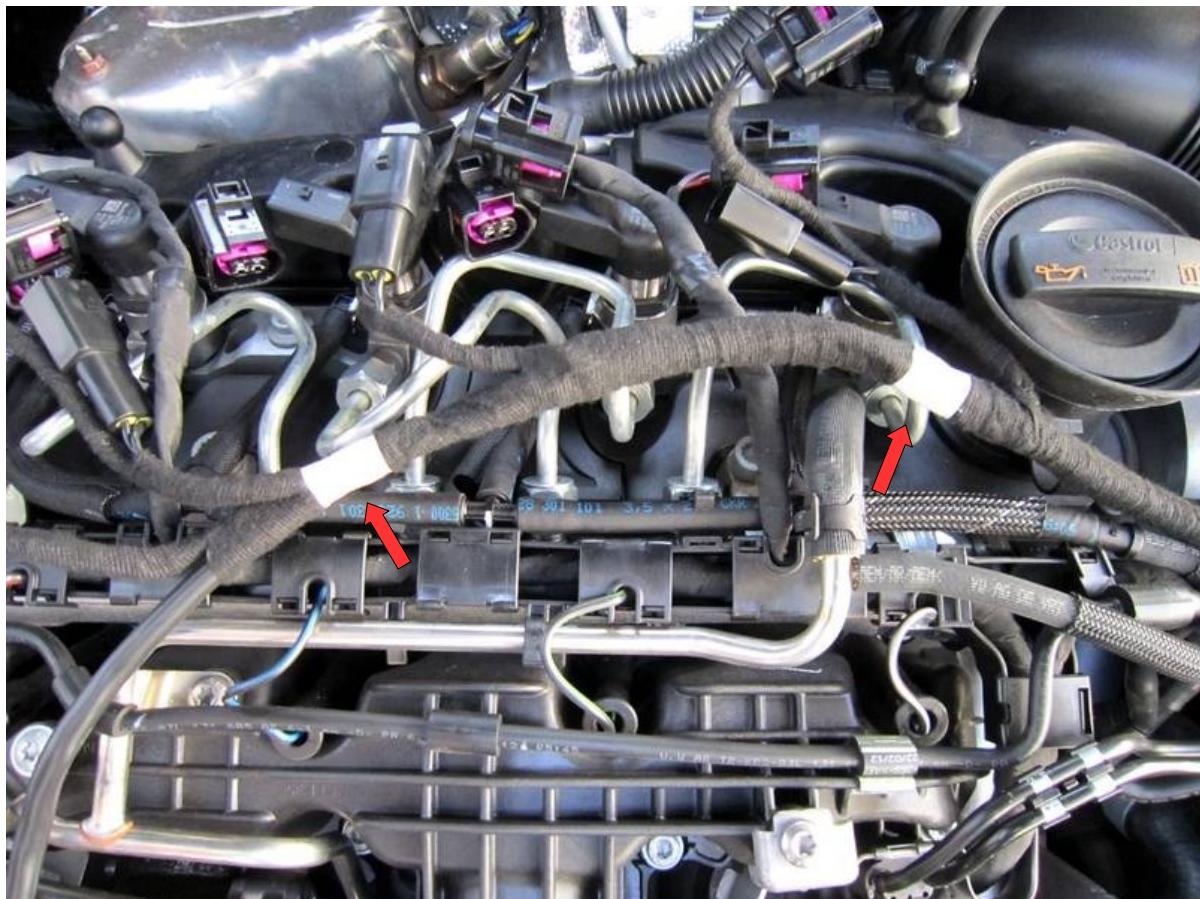
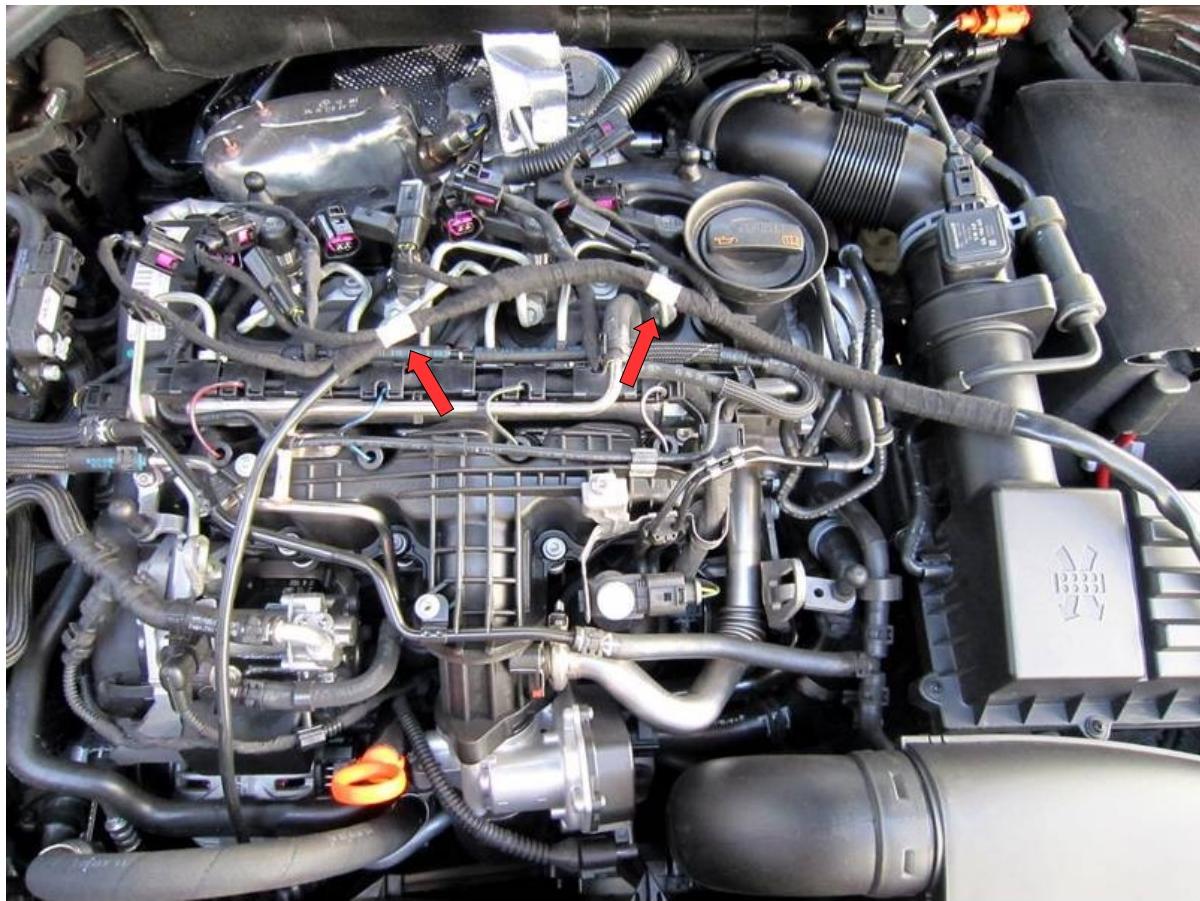
- Remove the top engine cover, where marked with arrows—PULL THE COVER UP

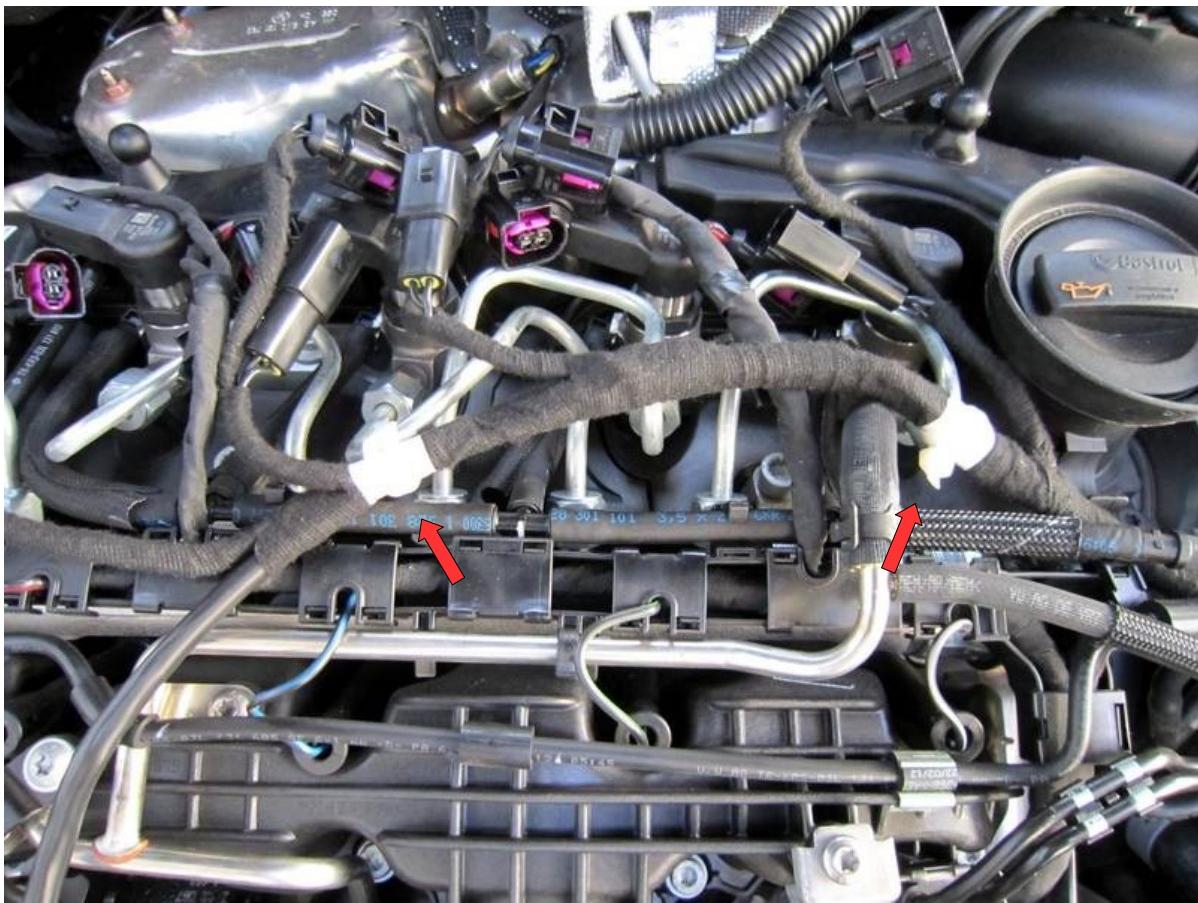


- Unplug the plug from the fuel injectors - firstly unplug the plug No 4 (push the plug into the injector, firmly press the lock and remove the plug)



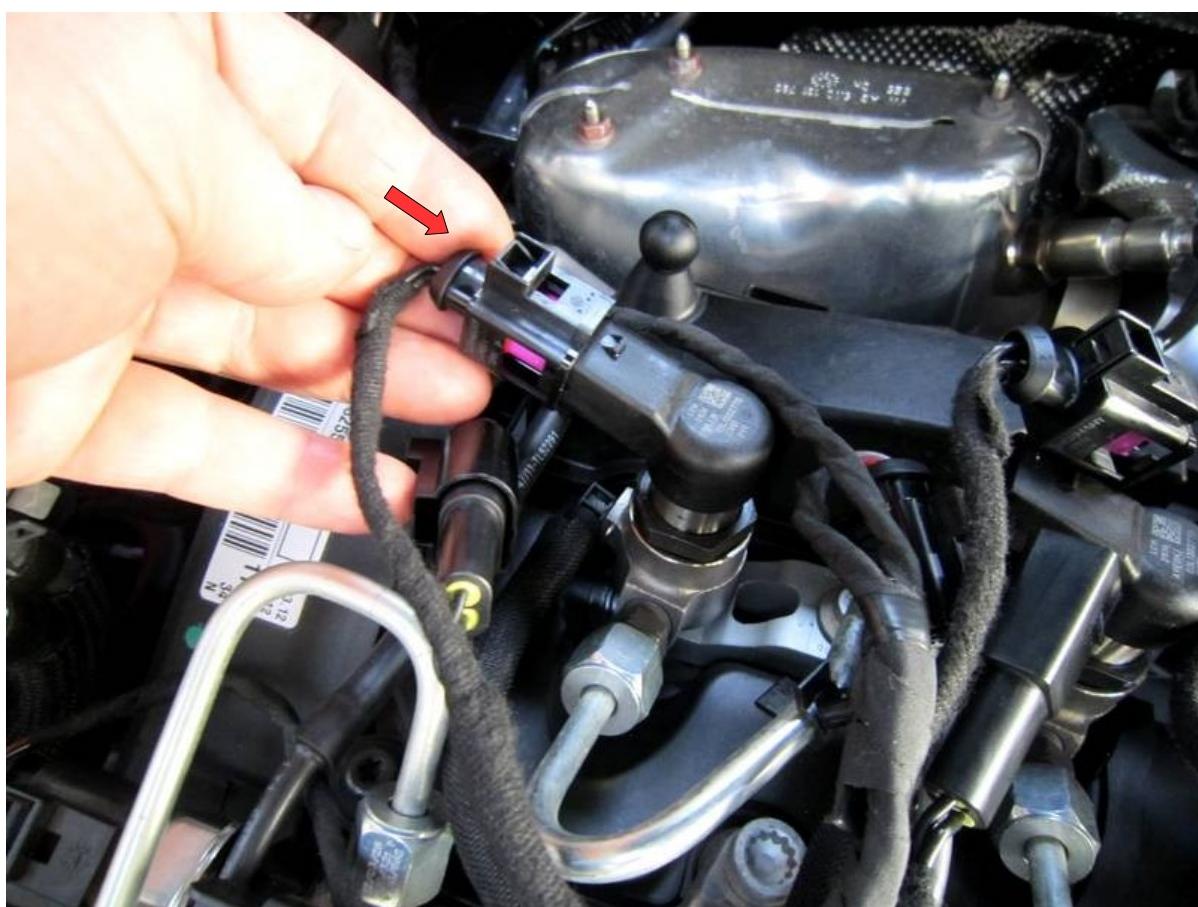
- Lay a cable harness on the engine - in areas marked with white tape, attach the harness to the fuel tube using cable ties

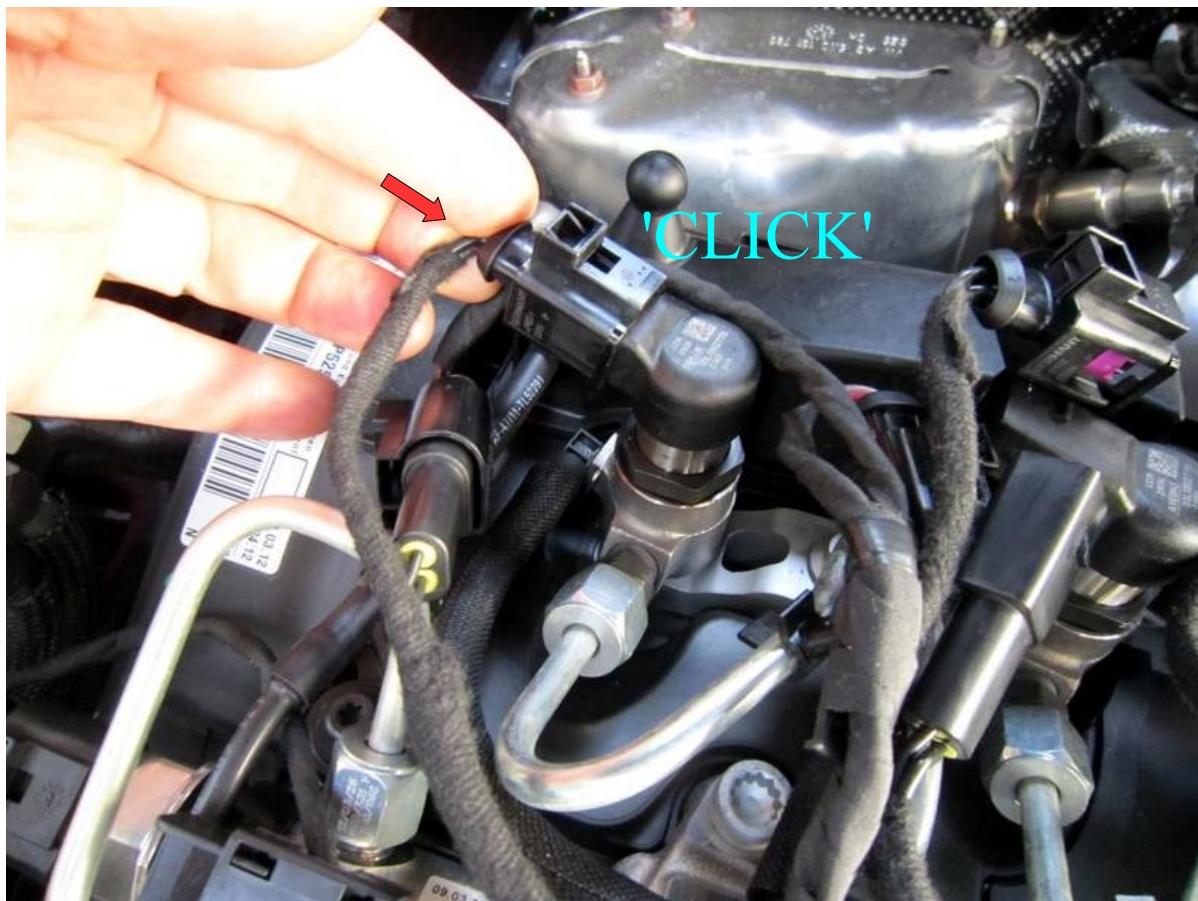




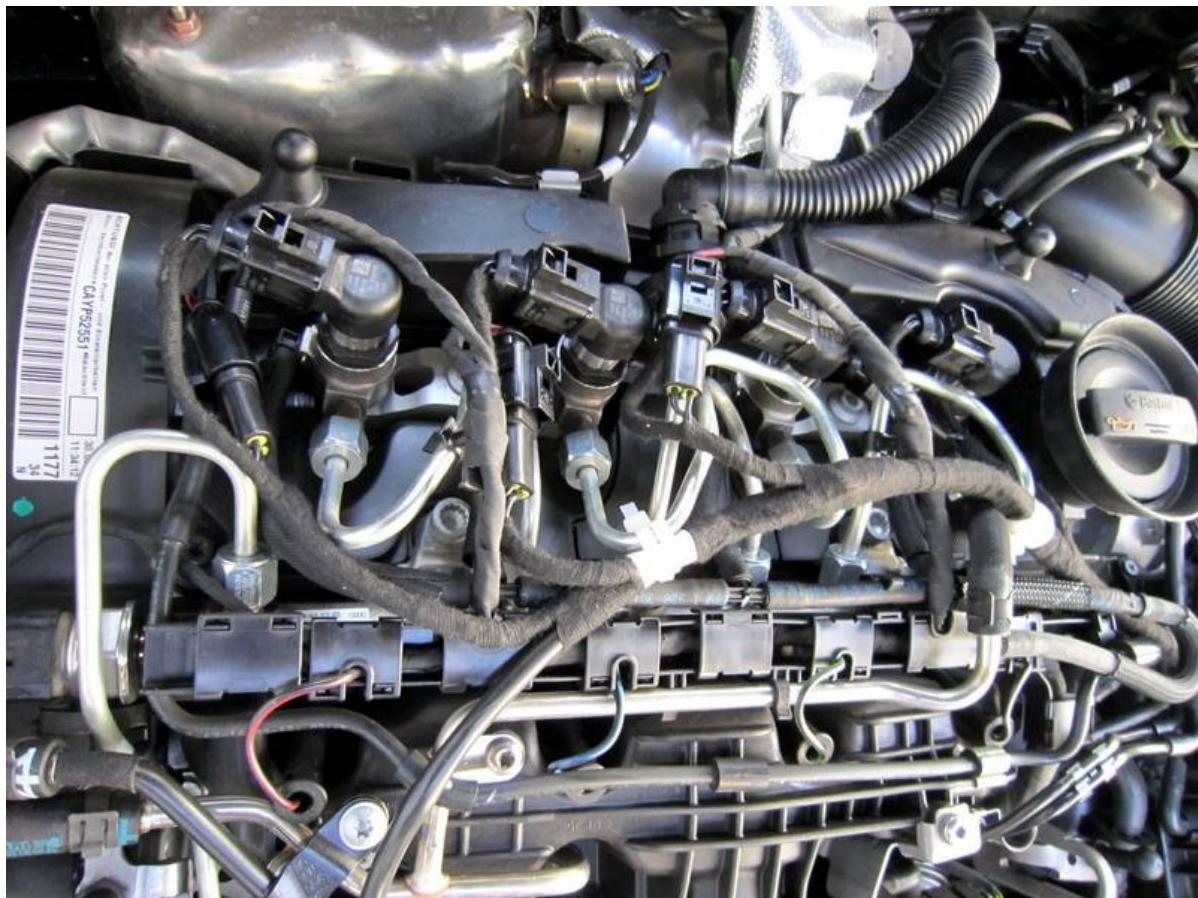
- the shorter cable plug should be connected with the plug cable, which were previously unplugged from the injectors whilst the longer cable plugs should be connected to the fuel injectors

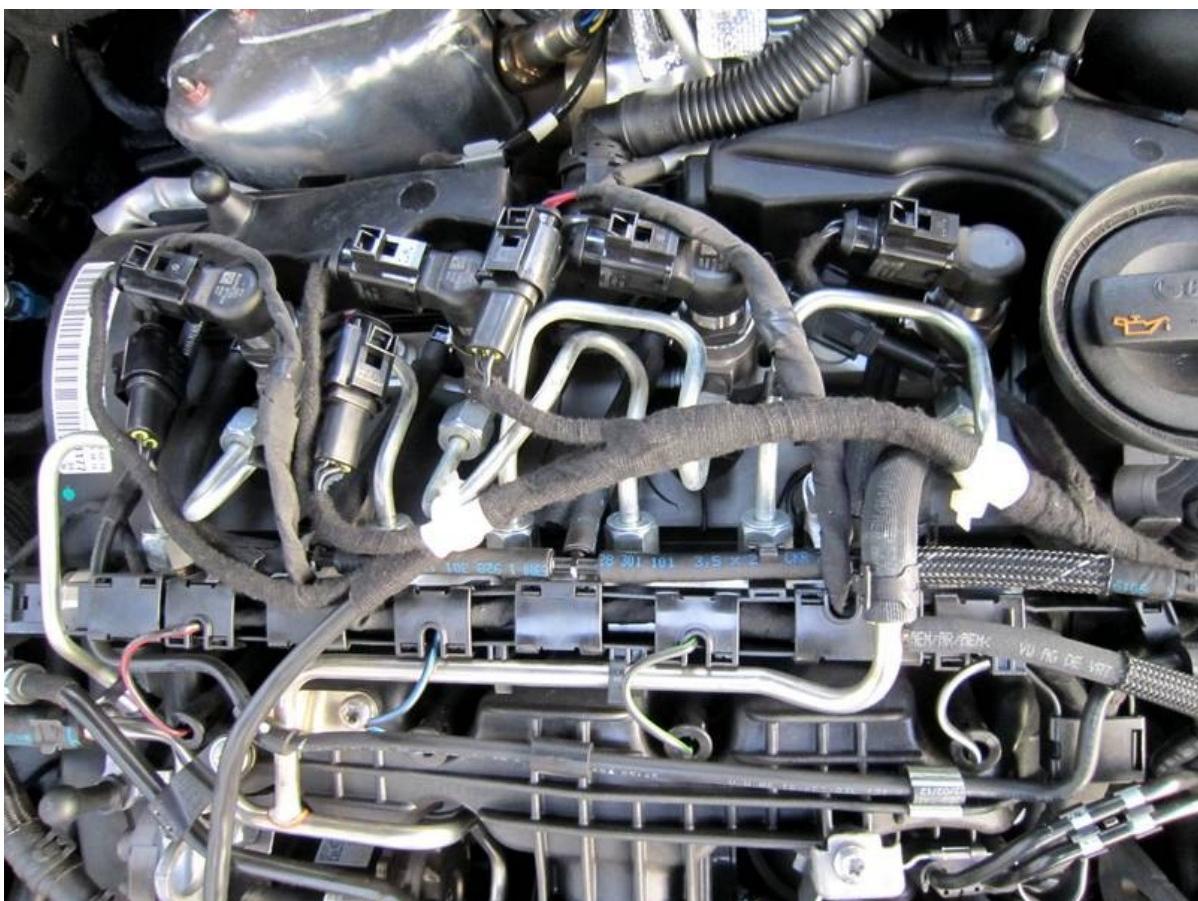
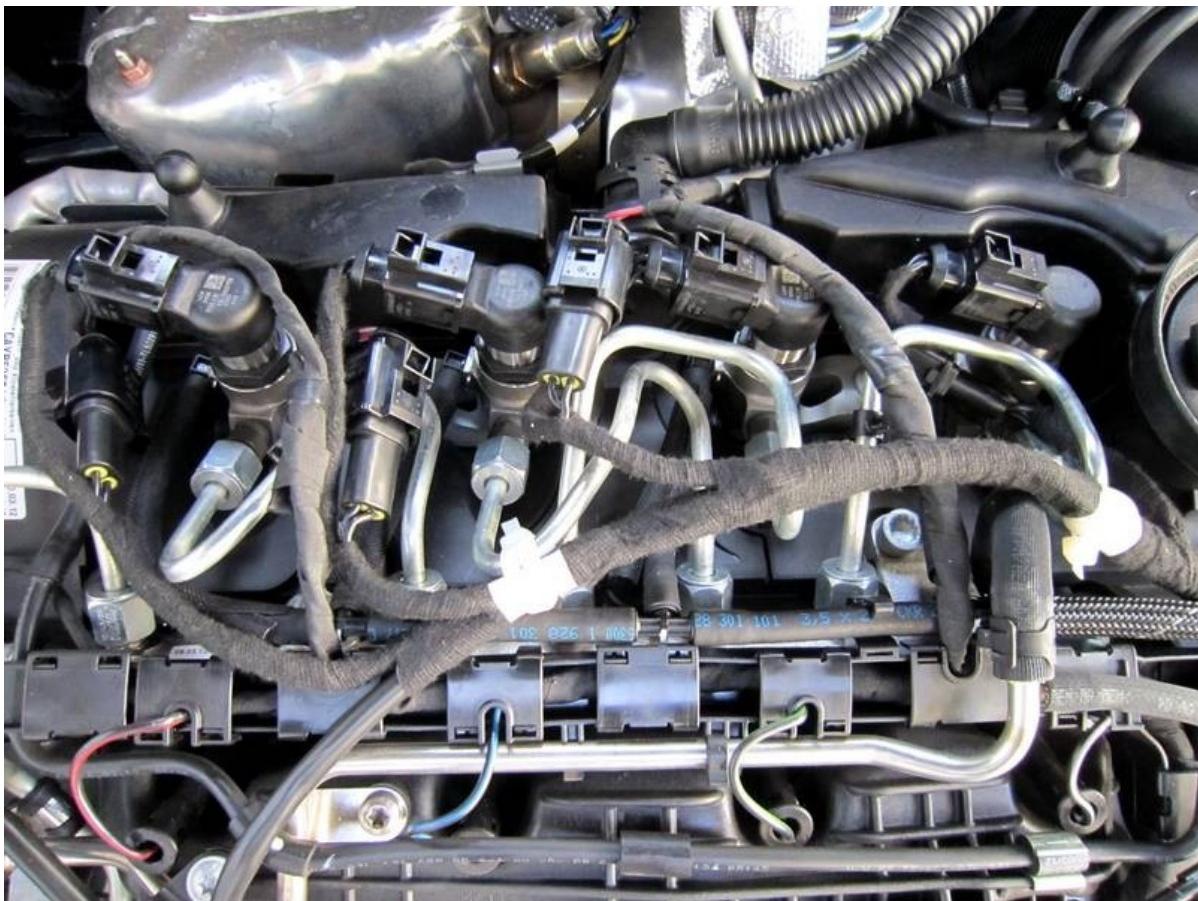






- Properly fitted harness should look like this:



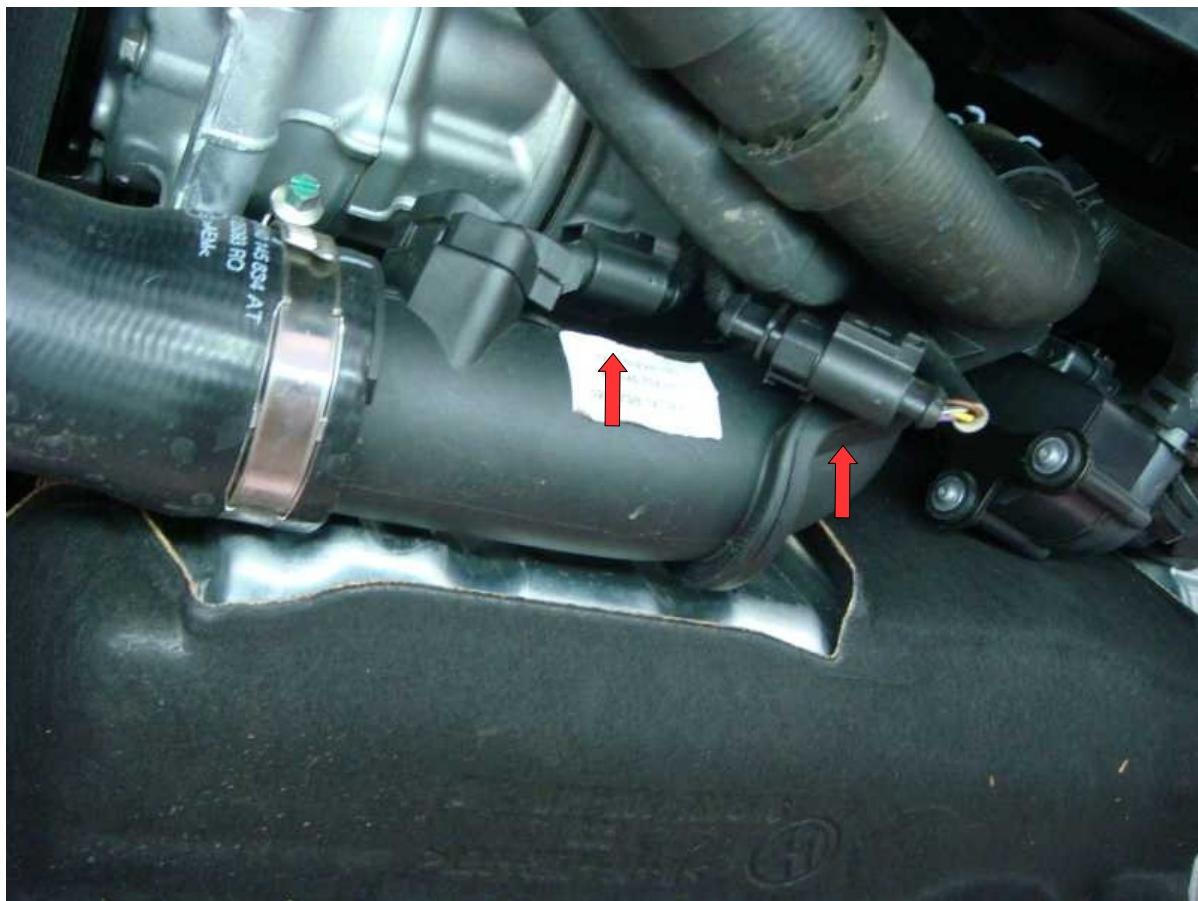


- Unplug the plug from the air pressure sensor (MAP) - under the air conditioning compressor



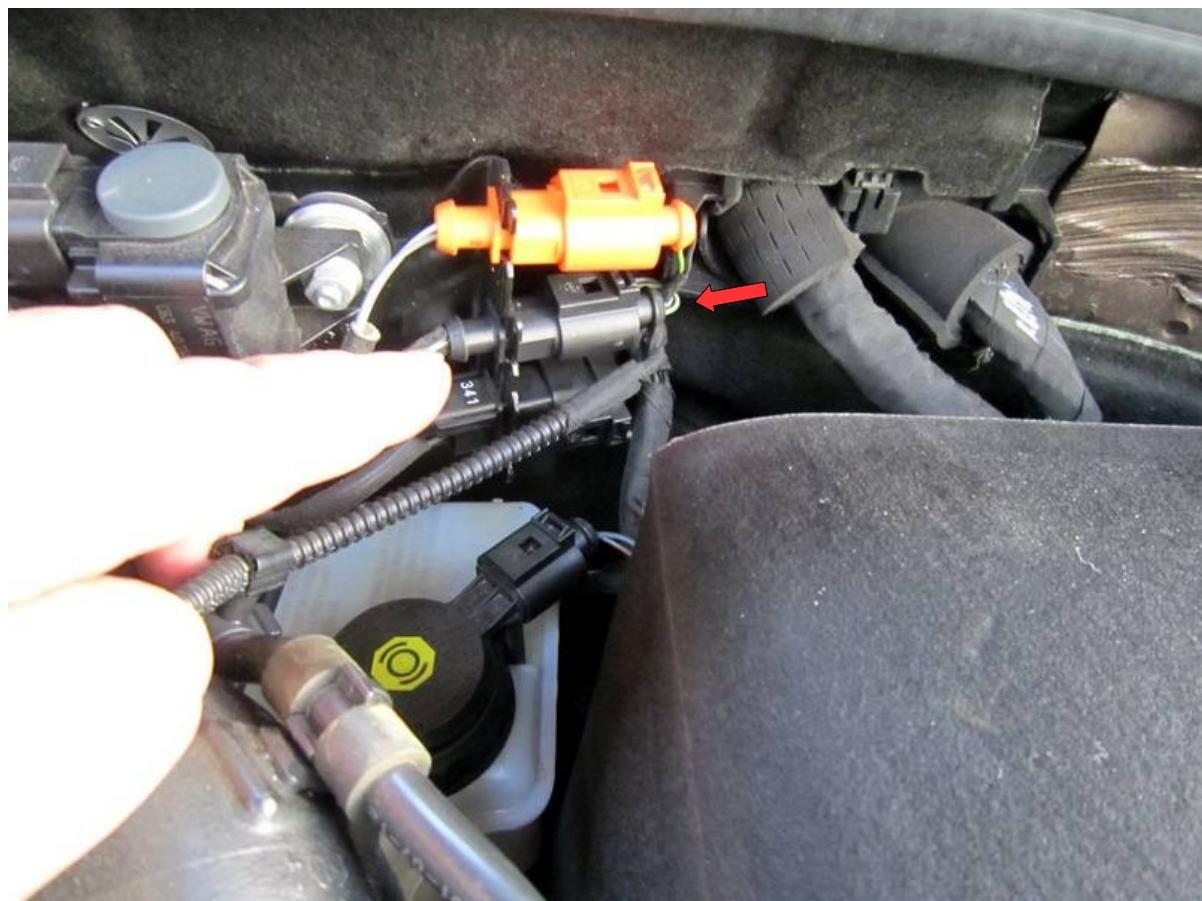
- The splitter cable should be plugged between the air pressure sensor and the disconnected plug





- slide out the Exhaust Gas Temperature Sensor connector (EGT) from the cable holder





- Disconnect the cable connector from the Exhaust Gas Temperature Sensor( EGT )



- Place the cable harness



- Connect a cable splitter between the disconnected plugs



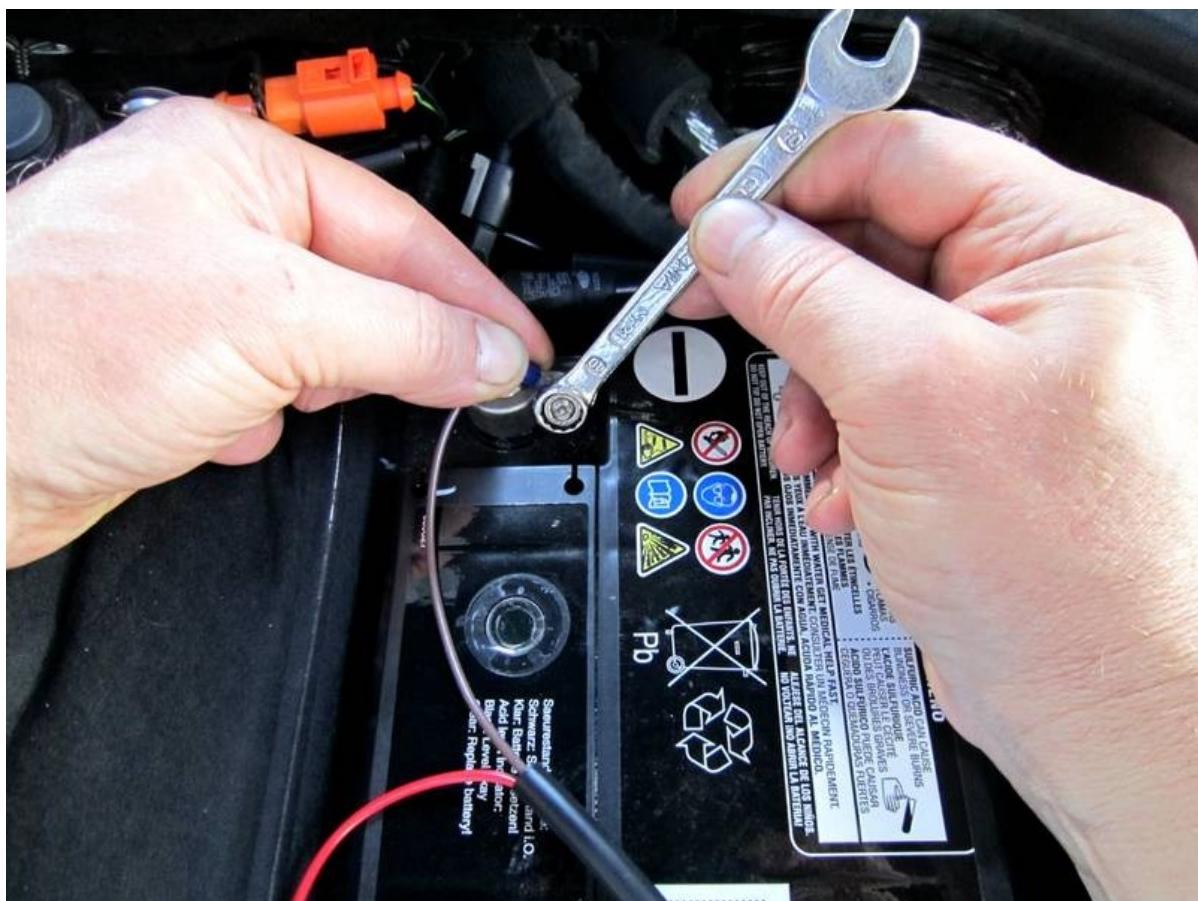
- Put the cable connector back into the holder



- Loosen the nut battery terminals (use a 10mm wrench)

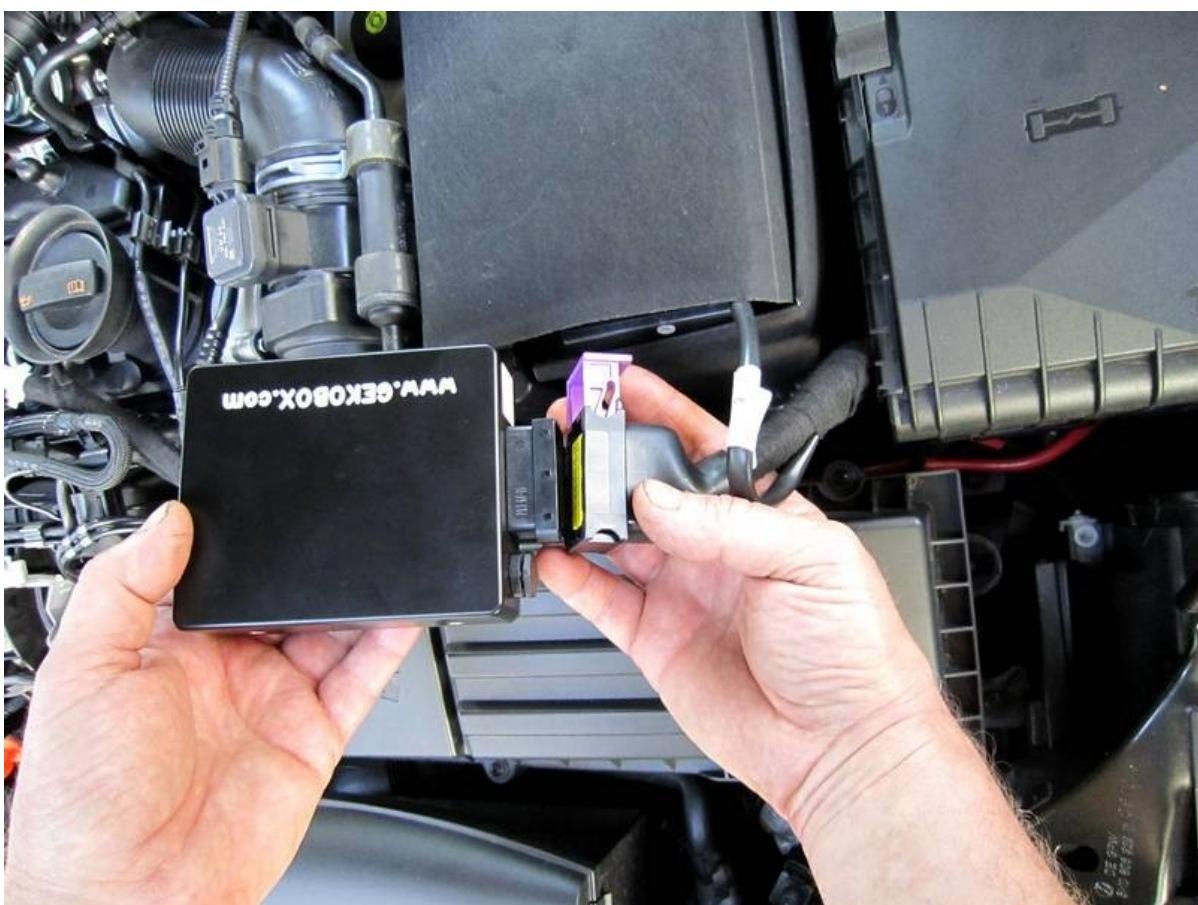


- Fit the power cable connectors to the nut battery terminal - tighten the nuts.  
**IMPORTANT!!!** Connect the red wire with "+" (**PLUS**), brown wire with "-" (**MINUS**)





- Check cable connections and plugs
- Connect GEKOBOX to the cable harness



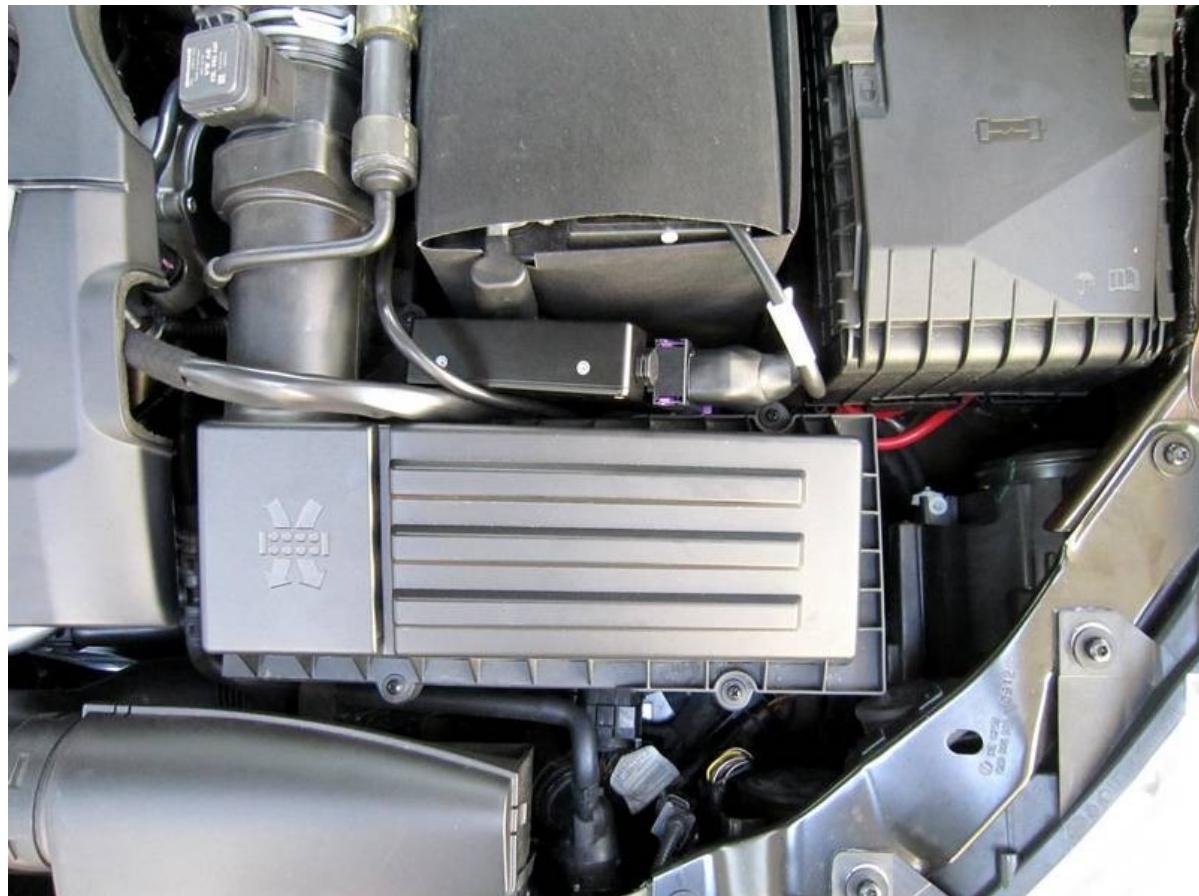


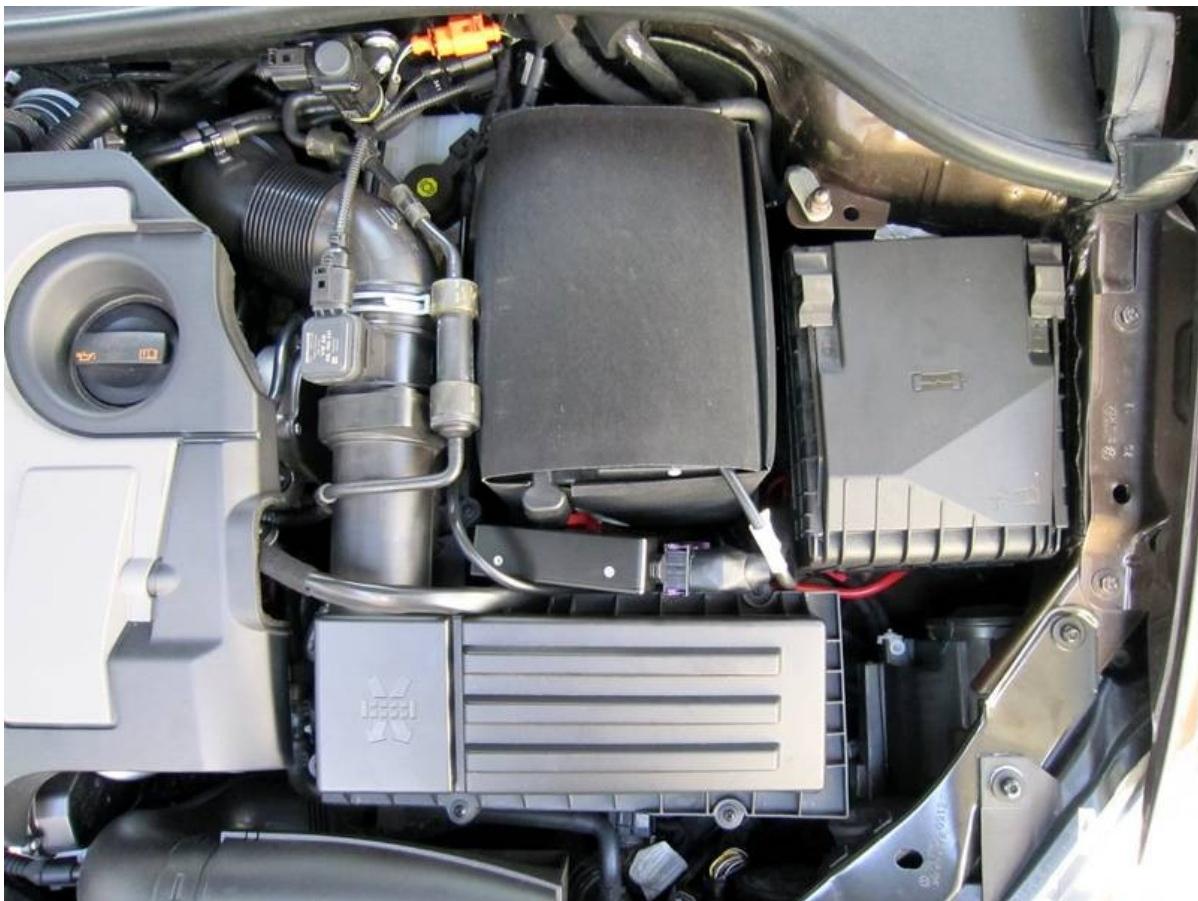
- Put the key into the ignition and start the engine - if everything is installed correctly, all the diagnostic lights will go off and the engine will operate normally
- Switch off the engine
- Check cable routings and connectors, pay attention to the possibility of damage, abrasion, etc., if necessary change the position of the harness
- Install the top engine cover
- Install the lower engine cover
- Slide the Gekobox device between the battery and the air filter—as shown in the picture
- **CHECK!** The placement of the GEKOBOX module and the wire harness in the engine compartment: location of the device and the wire harness has to enable the engine's free movement in all directions to avoid tension and wiping of the wire harness
- The GEKOBOX device is pre-programmed to work with a specific version of the

VW 1.6TDI engine and it is very important to fill in the order form correctly. Otherwise, the device may not work properly

- When properly installed, the GEKOBOX device is immediately ready to use

Here are some pictures of the engine compartment with a correctly mounted device:







### 3. Concluding Remarks

DO NOT INSTALL the Gekobox unit when the engine is running. For further work switch off the engine, pull out the key from the ignition and wait about 60 seconds to make sure that all electronic systems in the car are not working.

While installing the unit place a cable harness in the engine compartment carefully and ascertain that it is not situated near certain elements that may cause the harness abrasion while working. Before connecting the harness to the car's installation, it is recommended to purge the disconnected plugs with compressed air in order to remove the waste (e.g. sand) and check visually the condition of the wiring in search of signs of humidity influences.

DO NOT DISCONNECT the Gekobox device while the engine is running.

If it is necessary to remove the device, unplug it and remove the cable harness by following steps of installation in the reverse order. When the device is unplugged, remove the cable harness. Leaving the wire harness connected to the engine while the device is disconnected will prevent the engine from starting

In case of any doubts concerning the installation, please contact our company where the technical staff is ready to answer all your questions.

GEKO-CARS  
ul. Główna 23  
61-005 Poznań  
Poland

mail: [geko@gekocars.pl](mailto:geko@gekocars.pl)



chiptuning  
& dynotest

509 856 100  
61 878 01 97